

BEST AVAILABLE COPY

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| SEARCHED |      |         |       |
|----------|------|---------|-------|
| Class    | Sub. | Date    | Exmr. |
| 438      | 247  | 3-31-03 | MG    |
|          | 597  |         |       |
|          | 627  |         |       |
|          | 643  |         |       |
|          | 648  |         |       |
|          | 652  |         |       |
|          | 653  |         |       |
|          | 656  |         |       |
|          | 658  |         |       |
|          | 659  |         |       |
|          | 685  |         |       |
|          | 687  |         |       |
| 257      | 751  |         |       |
| UPDATED  |      | 6-22-03 | MG    |
| UPDATED  |      | 2-1-04  | MG    |
| UPDATED  |      | 6-22-04 | MG    |

| INTERFERENCE SEARCHED |      |         |       |
|-----------------------|------|---------|-------|
| Class                 | Sub. | Date    | Exmr. |
| 438                   | 247  | 6-22-04 | MG    |
|                       | 597  |         |       |
|                       | 627  |         |       |
|                       | 643  |         |       |
|                       | 648  |         |       |
|                       | 652  |         |       |
|                       | 653  |         |       |
|                       | 656  |         |       |
|                       | 658  |         |       |
|                       | 659  |         |       |
|                       | 685  |         |       |
|                       | 687  |         |       |
| 257                   | 751  |         |       |

| SEARCH NOTES<br>(INCLUDING SEARCH STRATEGY)                 |         |       |
|---|---------|-------|
|   | Date    | Exmr. |
| EAST { USPAT<br>EPO<br>JPO<br>DERWENT<br>IGN-TOS<br>USPG/NO | 3-31-03 | MG    |
| INVENTOR  | 3-31-03 | MG    |
| IEEEExplore   | 3-31-03 | MG    |
| EAST  | 6-23-03 | MG    |
| EAST  | 3-1-04  | MG    |
| EAST  | 6-22-04 | MG    |

(RIGHT OUTSIDE)